

Date: Tue, 21 Jun 94 10:32:54 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V94 #688
To: Info-Hams

Info-Hams Digest Tue, 21 Jun 94 Volume 94 : Issue 688

Today's Topics:

 "73's"
 6Mtr E-Skip:Europe to USA-Last Sunday
 Amateur service numbers decline in March '94
 AR 'etiquette'
 Ham Radio in WA State
 International Call Server (2 msgs)
 Last Sundays US>Europe 6MTR E-Skip Opening feedback
 Mass, RI and NH Field Day QTHs Wanted
 Old QSTs available
 Sign me up!
 Tech+ license issued.
 Tech. exam wanted in MKE
 Transmission Line Impedance: Why so many? (2 msgs)
 Where to buy equipment in the Far East ??

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Tue, 21 Jun 1994 14:32:24 GMT
From: ihnp4.ucsd.edu!swrinde!gatech!newsxfer.itd.umich.edu!zip.eecs.umich.edu!
yeshua.marcam.com!news.kei.com!wang!dbushong@network.ucsd.edu
Subject: "73's"
To: info-hams@ucsd.edu

cmoore@ilx018.intel.com (Cecil A. Moore -FT-~) writes:

>Dave, my 1957 ARRL Handbook lists the meaning of 73 as "Best Regards"...

>and also lists 26.93-27.23 MHz as a ham band. :-)

Hi Cecil,

Does it have something for 73 and for 73's, or just 73? And what does it say about packet radio? How about no-code tech? Anything about Extra class? 902-928 MHz? Repeaters? Solid state KW amps? Icom? Yaesu? OOTC?

:)

73,
Dave, KZ10

--

Dave Bushong, Wang Laboratories, Inc.

Date: 21 Jun 1994 14:29:17 GMT
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!europa.eng.gtefsd.com!
news.umbc.edu!haven.umd.edu!cs.umd.edu!newsfeed.gsfc.nasa.gov!bolt.gsfc.nasa.gov!
user@network.ucsd.edu
Subject: 6Mtr E-Skip:Europe to USA-Last Sunday
To: info-hams@ucsd.edu

Here are two reports from both ends. Dick W1DGA

Date: 21 Jun 94 15:07:43 GMT
From: news-mail-gateway@ucsd.edu
Subject: Amateur service numbers decline in March '94
To: info-hams@ucsd.edu

According to the ARRL Letter for June 15, the FCC deleted 3744 station licenses while adding in 3010 or a difference of 734 against the amateur service.

Anyone got the numbers for January and February?

73,

bill wb9ivr
wen@dllws.cca.cr.rockwell.com
wen@thor.cca.rockwell.com

Date: 21 Jun 1994 12:46:54 GMT
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!agate!cat.cis.Brown.EDU!
NewsWatcher!user@network.ucsd.edu
Subject: AR 'etiquette'
To: info-hams@ucsd.edu

In article <cb.19240.2099.0ND051EE@nitelog.com>, mario.campos@nitelog.com
(Mario Campos) wrote:

> You got that right! My friends ask why I'm not on 2 meters as I used to be.
> I too shall refrain from making any comments other than that 2 meters is
> slowly becoming the cellular phone system of ham radio. I do not enjoy
> listening to phone patches, husbands or wives telling each other to pick up
> the kids at Grandmas, they'll be home in 5 minutes, etc., etc.! My way out
> is not to turn on the rig or go simplex to chat!

(WARNING - This may irritate some people but too bad.)

Or you could get together with some friends and setup a CLOSED repeater on
70cm.

--

== Tony Pelliccio, KD1NR
== Anthony_Pelliccio@brown.edu, Tel. (401) 863-1880 Fax. (401) 863-2269
== The opinions above are my own and not those of my employer.

Date: Tue, 21 Jun 1994 15:25:25 GMT
From: ihnp4.ucsd.edu!library.ucla.edu!csulb.edu!csus.edu!netcom.com!
rogjd@network.ucsd.edu
Subject: Ham Radio in WA State
To: info-hams@ucsd.edu

Bill Turini (turini@gdls.com) wrote:

: I'm relocating to Washington (Enumclaw area) and I'd like to correspond
: with someone in Washington about the state of ham radio there.

: I noticed from a quick look in the repeater directory that there seems to
: be a significantly greater number of 440 repeaters in the state than 2
: meters. Is this the case?

: Also, if someone knows of a ham radio club in the area I'd really
: appreciate it.

: The ham license plates has been covered here, thanks.

: Anything else would be appreciated.

I don't live in Washington State (though I'd like to! :)) but I did motor thru the state with my HT last year.

Lots of 2 meter and 440 repeaters. Many are linked every which way to every which band, such that you may be in eastern Washington talking to someone in Seattle, on 2 meters, and find out that he is coming thru a 440 or 1.2 gig gateway.

A nice system, actually, and the people were quite friendly. Some of the local repeaters were a bit provincial, but that's true most places, I 'spose.

--

rogjd@netcom.com
Glendale, CA
AB6WR

Date: 21 Jun 94 13:31:46 GMT
From: news-mail-gateway@ucsd.edu
Subject: International Call Server
To: info-hams@ucsd.edu

A while back someone posted the address of a world-wide-web international call server. I seem to have misplaced. Can someone e-mail it to me or post it here?

Thanks...73 de N1PBT/AE...ron
Ron Rossi

/=====/
/ IBM Microelectronics Internet: rrossi@vnet.ibm.com /
/ H/P ASIC SRAM Design VNET: RROSSI at BTVLABVM /
/ Dept N93 Bldg 861-2 Voice: 802/769-7477 /
/ 1000 River Road RF: N1PBT/AE /
/ Essex Junction, VT 05452-4299 /
/ /
/ "I work for IBM, I don't represent its views!" /
/ /
/=====/

Date: 21 Jun 1994 10:47:23 -0400
From: yale.edu!noc.near.net!chaos.dac.neu.edu!not-for-mail@yale.arpa

Subject: International Call Server
To: info-hams@ucsd.edu

In article <1994062111338.GAA14453@ucsd.edu>,
Ron D. Rossi <rrossi@VNET.IBM.COM> wrote:
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>international call server. I seem to have misplaced. Can
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>/ Essex Junction, VT 05452-4299 /
>/ /
>/ "I work for IBM, I don't represent its views!" /
>/ /
>/=====/

You can access the UK Web callsign server via the Boston Amateur Radio
Club's home page: <http://www.acs.oakland.edu/barc.html>

If there are any other international callsign servers, please let me know.

73,
Scott

--
Scott Ehrlich, Amateur Radio Callsign: wylz
How to reach me: wylz@neu.edu [Internet], wylz@walphy.ma [Packet]
Boston ARC ftp archives: ftp oak.oakland.edu /pub/hamradio
Boston ARC Web page: <http://www.acs.oakland.edu/barc.html>

Date: 21 Jun 1994 14:27:08 GMT
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!europa.eng.gtefsd.com!
news.umbc.edu!haven.umd.edu!cs.umd.edu!newsfeed.gsfc.nasa.gov!bolt.gsfc.nasa.gov!
user@network.ucsd.edu
Subject: Last Sundays US>Europe 6MTR E-Skip Opening feedback
To: info-hams@ucsd.edu

Here are two reports from both ends. Dick W1DGA

Date: 21 Jun 1994 09:14:02 -0400
From: newstf01.cr1.aol.com!search01.news.aol.com!not-for-mail@uunet.uu.net
Subject: Mass, RI and NH Field Day QTHs Wanted
To: info-hams@ucsd.edu

In article <2t5e59\$8jk@senator-bedfellow.MIT.EDU>,
w1gsl@ATHENA.MIT.EDU (Steven L. Finberg) writes:

The list appeared in the Boston Globe on 6/19/94 on the back page of
the Real Estate Section in the Hobbies area!

Thanks Steve.

73 for now.... c u on the shortwaves
Terry Stader - KA8SCP
America Online Ham Radio Club Host
Macintosh Amateur Radio Software List Maintainer
Internet: tstader@aol.com (e-mail) or
p00489@psilink.com (binaries/files >28K)
KA8SCP@WA1PHY.#EMA.MA.USA.NOAM
ka8scp@ka8scp.ampr.org [44.56.4.82] Mac
[44.56.4.120] DOS Clone
(they're BOTH pc's!)

Date: Tue, 21 Jun 94 09:59:04 CDT
From: ihnp4.ucsd.edu!swrinde!gatech!howland.reston.ans.net!vixen.cso.uiuc.edu!
vmd.cso.uiuc.edu!AEZKENT@network.ucsd.edu
Subject: Old QSTs available
To: info-hams@ucsd.edu

Although I am not a ham I have for years been dragging some old QST's around
with me. These are mostly from the 30's into the 50's and mostly complete
although no longer pristine. Anyway I would like to get rid of them,
preferably to someone who can pick them up in the Champaign-Urbana IL area.

So the first person (if anyone wants them) who can arrange to pick them up
can have them. If you email me and I don't respond someone else got them.

Date: Tue, 21 Jun 94 13:54:51 GMT

From: ihnp4.ucsd.edu!swrinde!gatech!nntp.msstate.edu!olivea!news.hal.COM!
halsoft.com!netcomsv!skyld!jangus@network.ucsd.edu
Subject: Sign me up!
To: info-hams@ucsd.edu

In article <94062021330820@pcappbbs.com> mike.conti@pcappbbs.com writes:

[snip]

> Anyway, that's it from here. I glad that this Internet thing is
> working. This will be alot of fun. I will look forward to hearing from
> you soon. You guys take care and have a good one.
>
> Later,
>
> MIKEY
> MIKE.CONTI@PCAPPBBS.COM
>

Yes, Mikey, I'm glad that it works too. Now perhaps you might wish to
find out *how* it works.

73 es GM from Jeff

| | |
|--|------------------------------|
| Amateur: WA6FWI@WA6FWI.#SOCA.CA.USA.NOAM | "You have a flair for adding |
| Internet: jangus@skyld.grendel.com | a fanciful dimension to any |
| US Mail: PO Box 4425 Carson, CA 90749 | story." |
| Phone: 1 (310) 324-6080 | Peking Noodle Co. |

Hate "Green Card Lottery"? Want to help curb ignorant crossposting on Usenet?
E-mail ckeroack@hamp.hampshire.edu for more information, or read news.groups.

Date: 20 Jun 1994 19:58:31 GMT
From: news2.near.net!info-server.bbn.com!news!levin@yale.arpa
Subject: Tech+ license issued.
To: info-hams@ucsd.edu

In article <2u4non\$gce@gopher.cs.uofs.edu> bill@triangle.cs.uofs.edu (Bill
Gunshannon) writes:

In article <LEVIN.94Jun20133434@cassandra.bbn.com>, levin@bbn.com (Joel B
Levin) writes:

|> I believe this started in March when the FCC began accepting the new
|> (current) form 610 (and ONLY that form). If you were to move, say,
|> and submit a photocopy of your CSCE with one of your license and a
|> change-of-address 610, I'll bet you'd get a new license that said Tech
|> Plus, too.

What are they going to do about Tech's who don't have a CSCE because they got their license long before there was a No-Code Technician Class??

Technician licenses originally issued before that date contain assumed credit for element 1(A) (5 wpm CW test), though you might have to send a copy of an older license showing it was issued before that date.

Further, technicians licensed before an earlier date (in 1987, I forget when) have permanent credit for element 3(B), the General written test, and can therefore get a General just by passing the 13 wpm CW test, since before that date Technicians took the same written test as Generals.

/JBL

=

Nets: levin@bbn.com | "GO TO JAIL. Go directly to jail. Do not pass
POTS: (617)873-3463 | Go. Do not collect \$200."
KD10N (@KB4N.NH.USA) | -- Parker Brothers

Date: Mon, 20 Jun 94 18:34:00 -0800
From: ihnp4.ucsd.edu!usc!elroy.jpl.nasa.gov!netline-fddi.jpl.nasa.gov!nntp-server.caltech.edu!news.claremont.edu!kaiwan.com!ledge!bob.albert@network.ucsd.edu
Subject: Tech. exam wanted in MKE
To: info-hams@ucsd.edu

Ryan, call AES (Amateur Electronic Supply) in Milwaukee. They should be able to give you information about upcoming tests.

73 DE K6DDX

Date: Tue, 21 Jun 94 13:37:44 GMT
From: ihnp4.ucsd.edu!library.ucla.edu!europa.eng.gtefsd.com!
howland.reston.ans.net!spool.mu.edu!torn!nott!dgbt!clark.dgim.doc.ca!
news@network.ucsd.edu
Subject: Transmission Line Impedance: Why so many?
To: info-hams@ucsd.edu

D.J.Trynor EE (a4q4@jupiter.sun.csd.unb.ca) wrote:
: It seems that there are so many transmission lines impedances (i.e 50, 75,
: 300 ohms).
: Is there a technical reason for this or was it merely a development of
: different standards?

: Don Trynor VE9NZ

: --

```
: -----
: | Donald J. Trynor  EE          | " I've got a strong urge to fly... |
: | University of New Brunswick | ...but I've got no where to fly to." |
: | A4Q4@JUPITER.SUN.CSD.UNB.CA |                                     |
: -----
```

Hi Donny.....

Iam surprised you don't ask how come resistors have different values too.....

And this is your second year of EE!!!! egads....

Oh, I get it.. It it as a joke...right.....

You know who... RT

Date: Tue, 21 Jun 1994 14:51:40 GMT

From: ihnp4.ucsd.edu!agate!spool.mu.edu!news.clark.edu!netnews.nwnet.net!
reuter.cse.ogi.edu!hp-cv!hp-pcd!hpcvsnz!tomb@network.ucsd.edu

Subject: Transmission Line Impedance: Why so many?

To: info-hams@ucsd.edu

Ken A. Nishimura (kennish@kabuki.EECS.Berkeley.EDU) wrote:

: In article <1994Jun20.171318.15876@ke4zv.atl.ga.us>,

: Gary Coffman <gary@ke4zv.atl.ga.us> wrote:

: >

: >At least for coax, there are technical reasons. 75 ohm *air line* (actually

: >76.708 ohms) has the lowest loss of any impedance coax. If we replace

: >the air with polyethelene, we have 50 ohm cable (actually 51.02 ohms).

: >That's because the ratio of conductor diameters for lowest loss is 3.59112:1

: >in both cases, the dielectric making the difference in surge impedance.

: >

: >Gary

: This must be for some preset inner conductor diameter. When I work

: the loss of the coax (assuming perfect dielectric -- loss only due

: to skin effect), I get:

: $\alpha = R/2Z_0$

: where $R = (R_s/2\pi) * (1/r_o + 1/r_i)$

: and $Z_0 = (\sqrt{\mu/\epsilon})/2\pi * (\ln(r_o/r_i))$

: So, for a given inner conductor diameter, there will be a specific
: impedance for minimum loss, but I don't see how that ratio holds
: for all sizes. Is my math messed up? Oh, R_s is the skin effect sheet
: resistance.

Actually, it's for a given outer conductor diameter, where the inner and outer conductors have the same resistivity. For instance, for aluminum-jacketed line with a copper inner conductor, the lowest loss for a given OD is a bit higher than if both conductors are copper (or both are aluminum). 75 ohm foam aluminum-jacketed CATV line is just about optimum impedance for that dielectric. There was a good article a couple years ago in "RF Design" about coax loss that went into this sort of thing.

If the dielectric loss is ignored, for a given inner conductor diameter, it is clear that the lowest loss will be for an infinite outer conductor diameter--that also assumes something about modes, of course. Reason: the higher the impedance, the more power transmitted for a given current, and all the loss is because of current in the conductors. (See also "surface wave transmission line" which is a single-conductor line with very low loss.)

In coax, making the outer conductor large is expensive--both from the standpoint of outer conductor cost and insulation cost. However, in open wire line, wider spacing is fairly cheap. Up to the point where radiation or dielectric loss starts to become significant, the higher the impedance line you make with a given pair of conductors, the lower the loss. This is true even if the load is lower impedance than the line. That is, making the line higher impedance will give lower loss even though the SWR on the line increases. This is easy to see if you realize that the max current is at the load, and making the line impedance higher decreases the current everywhere else, for a given load current (again assuming the load impedance is lower than the line impedance). (It's also true that if the load is higher impedance than the line, increasing the line impedance helps, but the explanation has to be modified.)

Cheers,
Tom -- K7ITM

Date: 21 Jun 1994 11:54:37 GMT
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!EU.net!sunic!trane.uninett.no!
nac.no!nntp-oslo.uninett.no!NewsWatcher!user@network.ucsd.edu
Subject: Where to buy equipment in the Far East ??
To: info-hams@ucsd.edu

Hi!

Thanks for reading this message.

I am going to the Far East in my summer holiday, and I want some info about buying equipment such as HF transceivers, Dual Banders, e.g.

I think I am going to Hong Kong or Singapore, so if you have any addresses, or perhaps any prices, it would be very nice.

By the way....how is it to get a radio amateur licence in Hong Kong ??

vy 73 de Tom/LA1BJA/JW1BJA
tomrune@mac_inge.itek.norut.no

-Tom Rune Lauknes LA1BJA "Norway vs Mexico 1-0 !!"

-
-NORUT IT A.S

-
-e-mail:tomrune@mac_inge.itek.norut.no

-
-

Date: Tue, 21 Jun 1994 14:51:53 GMT
From: ihnp4.ucsd.edu!library.ucla.edu!europa.eng.gtefsd.com!uhog.mit.edu!
news.kei.com!wang!dbushong@network.ucsd.edu
To: info-hams@ucsd.edu

References <CrIvEC.MMD@sun2.iusb.indiana.edu>, <CrK1Fn.658@wang.com>,
<Crnx7M.361@sun2.iusb.indiana.edu>
Subject : Re: "73's"

dbatten@sun1.sun1.iusb.indiana.edu (Romulus) writes:

>Dave Bushong (dbushong@wang.com) wrote:

>: If everyone started saying "3's and 8's to ya, good buddy" I wouldn't
>: get used to that either.

>Well Dave,

>Yours is the precise, uncompromising, out of date attitude that generates
>hostility among amateurs. I personally resent being targeted as a child and
>generally resent that type of dinosaur attitude.

You're partially right. I am precise. But the rest of that is crap,

specifically "uncompromising" and "out of date" and "dinosaur". In eleven and one-half years, when you are my age (39), you'll see how funny that statement sounds.

>Language and lingo/jargon are particular to groups, not to the society as a whole. If a particular group wishes to recognize a particular form of address, then so be it.

That is inherently true. When someone says "gaa gaa goo goo mama" I tend to associate them with children. When someone says "3's and 8's to ya', good buddy", I tend to associate them with CBers. No moral judgements there, just the benefit of the experience of my jurassic 39 years on this planet.

>This reminds me of the juice commercials where the town elders are crying about "moral outrage" and "abominations". Well, we are going to have our apple-orange juice mix, regardless of your objections.

Sorry, I don't watch TV often enough to have the commercials memorized. I prefer being a participant on the ham bands, instead of an arm-chair spectator of network TV.

--

Dave Bushong, Wang Laboratories, Inc.

Date: (null)

From: (null)

In article <besten.772102476@faculty.chem.ruu.nl>, you wrote:

> Great News!!!

>

> Yesterday, 19th june 1994, we had a great (well great...) opening towards the States here in Europe and especially Northern Europe.

>

> The opening started at approx. 19.10 UTC in South Germany and at 19.55 Z it reached our (i.e. the centre of the Netherlands) latitude.

>

> During the 25 min opening I worked 36 american stations from the 1,2,3,4,5,8 district and a few VE3's. The opening disappeared at 20.20 Z. At 21.45 a small opening reoccured and three stations were worked.

>

> Although a known phenomenon to active 50 MHz DX-ers, multi hop Es to the States at the latitude of the Netherlands is relatively rare.

> Please if you work PA's, DL's or ON's only give your grid square.

> Especially during a pile-up we don't have the faintest idea where all kinds

> of exotic names origin from :-) Also the name of the cat of your neighbour
> is of less importance to us ;-)
>
> People in the southern part of Holland (*sigh*) were able to
> work CY9/WC9E and FP5EK (yes, the openings are that local that 15 km
> make a significant difference between booming 59 signals and hearing
> *nothing* at all. When you live in the central or northern part of
> the Netherlands the opening already disappeared before you get the skip :-(((
>
> Hope to work you on six too,
>
>
> Remco PA3FYM

Date: (null)

From: (null)

By the way, I worked 3 W0s (EM29, EM38) I believe last Monday night the
13th on a 5 min 2 mtr Es opening. All other areas of W1, W2, W3 had
much more extensive openings that day.

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From: (null)

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End of Info-Hams Digest V94 #688
